ABSTRACT

A method and corresponding system use a Personal Computer Memory Card International Association (PCMCIA) card to remotely communicate and interface with flight performance data on an aircraft. The PCMCIA card can be plugged into an Aircraft Condition Monitoring Systems (ACMS) using a card interface. The method and system offer a global communication architecture that can be implemented with existing ACMS devices and with any flight data acquisition unit (FDAU) equipped with a storage card, such as a PCMCIA card. The PCMCIA card offers real-time wireless communication between the ACMS on an aircraft and a ground station without any hardware and/or software modifications to the ACMS.